

# Garrett Beatty

856-905-6074 • beattyg2@tcnj.edu • github.com/GarrettBeatty • linkedin.com/in/garrett-beatty • gbeatty.com

## Education

- **The College of New Jersey** Ewing, NJ  
*Bachelor of Science in Computer Science* Aug. 2015 - May 2019
  - 3.15/4.0 GPA
  - Advanced Courses: Natural Language Processing, High Performance Computing, Combinatorics

## Work Experience

- **Lockheed Martin** Mount Laurel, NJ  
*Software Engineering Intern* Jun. 2018 - Aug. 2018
  -
- **The College of New Jersey** Ewing, NJ  
*Student Researcher - Machine Learning (ML)* Jan. 2017 - Dec. 2017
  - Designed a machine learning infrastructure with a team of 5 students and faculty in Python using machine learning and statistical analysis libraries such as scikit-learn, numpy, pandas, and matplotlib.
  - Improved the speed of the infrastructure by 95% by adding support for parallel processing on the High Performance Cluster (HPC).
- **Comcast** Philadelphia, PA  
*Software Engineering Intern* Jun. 2016 - Aug. 2016
  - Increased the efficiency of the Quality Assurance team by creating a Node.js application that automatically generates unit testing reports, which can be filtered by date, device type, operating system, etc.
  - Collaborated with another intern to create a web application in C#, HTML, and Javascript that connects to an SQL database to retrieve customer session information.

## Projects

- **Android Application - "arXiv eXplorer"**  
*arxiv.gbeatty.com*
  - Published an Android application with over 400 downloads that allows users to browse, search, and download scientific papers from arxiv.org.
  - Java, Butterknife, OkHttp, Sugar ORM, arXiv API, Travis CI, Fastlane
- **Photo Location Visualizer**  
*photo.gbeatty.com*
  - Created a web application that allows users to see their photos on Google Maps based on their geo-location metadata.
  - Python, Flask, Heroku, Google Maps API, Google Picasa API
- **RSS Feed Creator**  
*rss.gbeatty.com*
  - Deployed a web application that allows users to easily view and manage their RSS feeds.
  - Python, Flask, Postgres, Heroku, Travis CI

## Skills

- **Proficient:** Python, Java
- **Past Experience:** C, C++, C#, SQL, Ruby, PHP, Node.js, Perl, Javascript, MATLAB, HTML, CSS, Jade
- **Tools:** Git, Jenkins, Travis CI, Linux/UNIX, Heroku, SLURM, Fastlane
- **Libraries/Frameworks:** scikit-learn, numpy, pandas, matplotlib, Keras, OpenCV, Flask, Django, Butterknife, OkHttp

## Publications

**"Impact of Batch Size on Stopping Active Learning for Text Classification",** *Proceedings of the 2018 IEEE 12th International Conference on Semantic Computing (ICSC), Laguna Hills, CA, 2018.*